

PUBLIC HEALTH REPORTS

VOLUME XXV

NUMBER 35

SEPTEMBER 2, 1910



PUBLISHED WEEKLY BY THE
Public Health and Marine-Hospital Service
IN ACCORDANCE WITH ACT OF CONGRESS APPROVED
FEBRUARY 15, 1893



WASHINGTON
GOVERNMENT PRINTING OFFICE
1910

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PUBLIC HEALTH REPORTS.

VOL. XXV.

SEPTEMBER 2, 1910.

No. 35.

SMALLPOX IN JAPAN.

By FAIRFAX IRWIN, Surgeon, United States Public Health and Marine-Hospital Service.

The existence of smallpox in Japan^a can be traced back as far as any written history goes, leaving its inception somewhat shrouded in mystery.

The first record is of an epidemic that occurred in August, A. D. 735. In 737 another epidemic occurred affecting all classes and of great mortality. This is said to have been the greatest epidemic known in Japan up to that time, and was followed by another in the summer and autumn of 738. These were the first recorded epidemics. In A. D. 790 there was an epidemic which was said only to have affected persons of 30 years of age or older, but the observation seems to be of doubtful authenticity. There followed an interval which appears to have been free from the disease.

Other epidemics then followed, which are recorded as follows: In 814; in March, 853; in 879; in August, 915, when the Emperor had the disease; in June, 947; August and September, 974; and July and August, 993; in the spring and summer of 1020; in 1036; and in June, 1072. In the year 1077 two of the royal princes, Atsukata and Atsubume, died of smallpox. Epidemics continued with great frequency, as follows: 1093; February-May, 1113; May, 1148; March, 1175, when the Emperor had the disease; December, 1192; April, 1209, 1277, 1311; and March, 1361. In 1374 the Emperor established a benevolent hospital for the treatment of the disease, the first hospital of its kind in Japan. Other epidemics took place in 1424, 1452, 1454, 1522, and 1550. In 1549 Xavier first came to Japan and gave medicine to the Japanese; the record does not state the character of the treatment, but there is no doubt that Xavier saw a great many cases. In 1543 the Portuguese came to Japan and settled on the Island of Kyushu.

Smallpox was certainly no novelty to them. In February, 1609, an epidemic is recorded in which the royal family suffered. About this time the Dutch came to Japan and trade was opened with Holland; they were allowed to live at Nagasaki and taught the medical science of those days to the Japanese. In 1798, the Government opened the first medical school (Igakukwan). The etiology of smallpox was first studied in this school under Prof. Ikeda Zuisen, a famous physician of the time.

^a Surgeon Irwin stated that according to official reports smallpox was not present in Japan July 27, 1910.

One of the legends relating to the first introduction of smallpox into Japan is as follows: In the sixth century the King of Korea sent images of Buddha to Japan and recommended that the Japanese adopt the Buddhist religion. About this time there was a great epidemic, probably smallpox, and it was attributed to the anger of the native gods at the attempt to introduce foreign gods and religion into the country. Possibly the disease may have been introduced at this time by the messengers of the Korean King. The Japanese might have well said: "Beware of the Greeks bearing gifts." In the spring and autumn of 1837 there was an epidemic. In June, 1849, a Dutch ship brought some vaccine virus to Japan and Doctor Monike vaccinated three children. Doctor Narabayashi Soken obtained some of this virus from Doctor Monike and was instructed in the art of vaccination. Severe epidemics occurred in 1870, 1876, and 1877.

In two of the ancient books of Japan (Daido Ruijuho and Zoku Kojidan) it is stated that smallpox was first brought into the Empire by fishermen returning from Korea. Official statistics of smallpox in Japan have been obtained from the department of home affairs for the following years (1898, 1899, 1900, 1904, 1905, 1906, 1907, and 1908) and are here given: In 1898 there were 149,012 cases and 40,971 deaths, giving a death rate of 27.47. In 1899 there were 14,890 cases and 4,089 deaths. In 1900 there were 3,608 cases and 721 deaths. In 1904, 1,188 cases were recorded, with 237 deaths. Let it be observed that the death rate had now fallen from 27.47 in 1898 to 19.95 in 1904. In 1905 there were 10,704 cases and 3,388 deaths. We have here a decided increase in the number of cases and deaths and a rise in the death rate to 31.61 per hundred cases. It is stated that while smallpox is not a rare disease in Japan it is not permanent. It is always imported from abroad, and the infection seems to come chiefly from Korea, Manchuria, and Siberia. During 1906 there were 496 cases, of which 109 proved fatal, the death rate falling to 21.98. The total number of cases of smallpox which occurred during the year 1907 was 1,034, of which 437 were fatal, and in 1908 there were 18,075 cases and 5,838 deaths.

It is to be expected that the death rate should differ accordingly as vaccination is carried out, but unfortunately statistical investigations of this kind are not yet available. The death rate in 1907 in general was 42.26 per cent and 32.30 per cent in 1908. Whether such high death rates are to be ascribed to the fact that the smallpox which prevailed in these two years was especially malignant or whether light cases were not reported or again whether the number of unvaccinated increased can not now be answered.

VACCINATION.

PRESENT LAW OF VACCINATION.²

1. Mayors of cities and heads of villages fix the time for vaccination every year from March until June.

Children 1 year old born the previous year must be vaccinated.

2. Children having reached the age of 10 years must be vaccinated.

3. Those who were vaccinated the previous year, but unsuccessfully, must be vaccinated again.

If necessary, officials may decide to vaccinate at any time.

4. The sanitary officials may decide the place of vaccination.

5. The guardians of the children having smallpox must obey the regulations.

6. The officials may vaccinate at different times and places all inhabitants of houses where an infectious disease has appeared.

7. If for any reason the day for vaccination is postponed, the vaccination must be made within 30 days.

8. A search must be made for any person attempting to evade vaccination and the operation performed.

9. Inspection is to be made 6 or 7 days after vaccination.

10. A certificate for vaccination is given after the operation is performed.

11. There are three kinds of reports made to the mayor at the office of the Honseki, or in the official report at the original place of birth:

(a) The date on which the first vaccination was performed.

(b) The date of operation if not successful, second vaccination.

(c) Whether the subject had smallpox.

12. The mayor must make a report to the place where the person concerned is at present living.

13. Certificate from the physician must be secured.

14. When vaccination is unnecessary:

(a) Persons who have had smallpox and have certificate to that effect.

(b) Persons who have been certified for the postponement of vaccination.

(c) Kindergarten and other schools where the vaccination has been performed under other supervision.

(d) Those who have a certificate of vaccination.

(e) Those who have a certificate from the mayor.

(f) Those who have marks of smallpox and of recent vaccination.

15. The governor may temporarily decide on the time of vaccination by permission of the home minister.

From Meiji 42 year (1909).

The total number of persons who were regularly vaccinated during the year 1908 was 9,398,135, which is 18.26 per cent of the entire population. These figures are taken from the report of the central sanitary bureau, which adds the following comment:

This percentage is almost three times as large as that in ordinary years. Such great increase is probably due to the fact that during this year smallpox prevailed, and consequently vaccination was strictly enforced in various localities. However, the fact that the number of persons responsible (sic) to be vaccinated remarkably increased, especially during this year, can not but demonstrate the imperfection of the administration concerning vaccination.

Of the number vaccinated 1,876,633 were vaccinated for the first time and 7,494,084 for the second and third times.

RESULTS OF VACCINATIONS.

Of the total number of persons regularly vaccinated during 1907, 1,274,320 were successful and 172,838 were unsuccessful in first vaccination; 344,162 successful and 645,982 unsuccessful in second vaccination; and 225,471 successful and 636,323 unsuccessful in third; that is to say, the proportion of successful cases to the total number of vaccinations was 88.06 per cent in first vaccination, 34.76 per cent in second vaccination, and 25.59 per cent in third vaccination.

Of the total number vaccinated during 1908, 1,556,263 were successful and 320,395 were unsuccessful in first vaccination; 1,244,555 successful and 1,535,309 unsuccessful in second vaccination, and 1,661,596 successful and 3,052,651 unsuccessful in third vaccination.

Thus the proportion of successful cases to the total number of vaccinations was 82.93 per cent in first vaccination, the lowest ratio since 1899, while 44.77 per cent in second vaccination and 35.25 per cent in third vaccination are high ratios. The real cause for such sudden rise of the ratio in second and third vaccinations is not positively known, but it seems to be due to the fact that many persons who had neglected vaccination in previous years were now forced to submit owing to a more vigorous enforcement of the laws. Appended is a table showing the number of persons vaccinated in the decade 1890-1899.

Number of persons vaccinated in each of the last ten years.

FIRST VACCINATION.

Year.	Successful.	Unsuccessful.	Total.	Successful per 100.
1890	919,583	139,501	1,059,084	86.83
1891	992,102	146,756	1,138,858	87.11
1892	1,093,455	217,770	1,311,225	83.39
1893	977,271	223,161	1,200,432	81.41
1894	982,541	248,873	1,231,414	79.79
1895	956,019	226,526	1,192,545	80.17
1896	1,173,055	298,397	1,471,452	79.72
1897	1,259,796	411,869	1,671,665	75.36
1898	1,067,889	253,884	1,321,773	80.79
1899	1,101,788	217,409	1,319,197	83.52
Average	1,052,350	239,415	1,291,765	81.47

SUBSEQUENT VACCINATIONS.

1890	282,395	596,480	878,875	32.13
1891	337,575	693,761	1,031,336	32.73
1892	897,923	1,779,613	2,677,536	33.54
1893	937,017	1,770,379	2,707,396	34.61
1894	559,382	1,231,948	1,791,330	31.23
1895	441,553	944,931	1,386,484	31.85
1896	661,036	1,490,300	2,151,336	30.73
1897	1,766,411	3,622,669	5,389,080	32.78
1898	576,987	1,231,054	1,808,041	31.91
1899	522,229	1,103,063	1,625,292	32.13
Average	698,251	1,446,420	2,144,671	32.09

GRAND TOTAL.

1890	1,937,959
1891	2,170,194
1892	3,988,761
1893	3,907,828
1894	3,022,744
1895	2,579,029
1896	3,622,788
1897	7,060,745
1898	3,129,814
1899	2,944,489
Average	3,436,435

SPECIAL VACCINATION.

Year.	Successful.	Unsuccessful.	Total.	Successful per 100.
1890	11,620	36,001	47,621	24.40
1891	22,171	32,426	54,597	40.61
1892	666,473	1,431,238	2,097,711	31.77
1893	1,398,509	2,688,365	4,086,874	34.22
1894	450,522	752,261	1,203,183	37.48
1895	74,230	195,387	269,617	25.31
1896	343,949	712,495	1,056,444	32.56
1897	2,691,854	5,949,085	8,640,939	31.15
1898	133,845	264,867	398,712	33.57
1899	164,250	409,968	574,218	38.60
Average	595,782	1,247,209	1,842,992	32.33

UNITED STATES.

REPORTS TO THE SURGEON-GENERAL, PUBLIC HEALTH AND MARINE-HOSPITAL SERVICE.

PLAGUE-PREVENTION WORK.

Passed Assistant Surgeon McCoy reports:

INFECTED GROUND SQUIRREL.

A plague-infected ground squirrel was found August 9, 1910, at Cragmont, Alameda County, Cal.

The finding of this squirrel is of more than ordinary interest, as the animal came from that part of Alameda County in which measures have been carried on for the creating of a squirrel-free zone around the cities of Berkeley and Oakland. The squirrel was found in approximately the same locality that furnished a number of infected squirrels during the early months of the current calendar year.

A few days ago it was found after a thorough examination that some squirrels had migrated into this zone and measures were taken to exterminate them. On the first day of the work this infected squirrel was found. Whether this squirrel is one of the few that probably escaped the squirrel exterminative measures that were carried on in this vicinity some months ago or whether it represents immigration from the outside can not be determined. Vigorous measures are being taken to completely exterminate this focus.

ANIMALS EXAMINED FOR PLAGUE INFECTION.

During the week ended August 13, 1910, there were examined for plague infection at the federal laboratory at San Francisco and the branch laboratories at Oakland and Los Angeles, Cal., animals as follows: Squirrels 3,084, gophers 6, rabbits 22, weasels 2, rats 2,228. The rats were identified as follows: *Mus norvegicus* 1,828, *Mus rattus* 56, *Mus musculus* 272, *Mus alexandrinus* 72.

The total number of animals examined was 5,342. One plague-infected squirrel was found.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities on San Francisco Bay, 650 acres of land in Alameda County were covered with poison during the week ended August 13, 1910.

SEATTLE, WASH.

Assistant Surgeon Chapin reports:

During the week ended August 13, 1910, 1,058 rats were collected. Of these, 961 were necropsied and examined for plague infection. No plague rats were found.

Record of Plague Infection.

Place.	Date of last case of human plague.	Date of last case of rodent plague.	Total number of rodents found infected since May, 1907.
California:			
Cities—			
San Francisco	Jan. 30, 1908	Oct. 23, 1908	398 rats.
Oakland	Oct. 26, 1909	Dec. 1, 1908	126 rats.
Berkeley	Aug. 28, 1907	None recorded.	
Los Angeles	Aug. 11, 1908	Aug. 21, 1908	1 squirrel.
Counties—			
Alameda (exclusive of the city of Oakland) ..	Sept. 26, 1909	Aug. 13, 1910	82 squirrels, 1 wood rat.
Contra Costa	July 21, 1908	June 1, 1910	243 squirrels.
Merced	None recorded.	June 6, 1910	2 squirrels.
Monterey .....	.....do.....	.....do.....	4 squirrels.
San Benito	June 5, 1910	July 11, 1910	20 squirrels.
San Joaquin	None recorded.	June 29, 1910	5 squirrels.
San Luis Obispo .....	.....do.....	Jan. 29, 1910	1 squirrel.
Santa Clara .....	.....do.....	June 22, 1910	22 squirrels.
Santa Cruz .....	.....do.....	May 17, 1910	3 squirrels.
Stanislaus .....	.....do.....	May 21, 1910	5 squirrels.
Washington:			
Seattle	Oct. 30, 1907	Feb. 8, 1910	22 rats.

Rats Collected and Examined for Plague Infection.

Place.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Berkeley	Aug. 13, 1910	.....	a 121	93	0
Oakland .....	.....do.....	37	b 652	551	0
San Francisco .....	.....do.....	68	c 2,082	1,556	0
Washington:					
Seattle .....	.....do.....	.....	1,058	961	0

a Identified, *Mus norvegicus* 93, *Mus musculus* 28.b Identified, *Mus norvegicus* 547, *Mus rattus* 1, *Mus musculus* 138.c Identified, *Mus norvegicus* 1,588, *Mus rattus*, 69, *Mus musculus*, 306.

Squirrels Collected and Examined for Plague Infection.

Place.	Week ended—	Trapped and shot	Found dead.	Examined.	Found infected.
California:					
Cities—					
San Francisco	Aug. 13, 1910	8	.....	8	0
Counties—					
Alameda .....	.....do.....	30	10	40	1
Fresno .....	.....do.....	155	.....	155	0
Los Angeles .....	.....do.....	599	.....	595	0
Monterey .....	.....do.....	639	.....	627	0
Napa .....	.....do.....	83	.....	83	0
Orange .....	.....do.....	149	.....	149	0
Riverside .....	.....do.....	43	.....	43	0
San Benito .....	.....do.....	354	.....	348	0
San Joaquin .....	.....do.....	266	.....	255	0
San Luis Obispo .....	.....do.....	442	1	435	0
Solano .....	.....do.....	301	.....	296	0

Other Animals Collected and Examined.

Place.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Cities—				
San Francisco	Aug. 13, 1910	88 gophers..... 1 weasel	6 gophers..... 1 weasel	0
Counties—				
Alameda .....	.....do.....	21 rabbits.....	21 rabbits.....	0
Los Angeles .....	.....do.....	1 weasel	1 weasel	0
San Luis Obispo .....	.....do.....	1 rabbit.....	1 rabbit.....	0

SPECIAL RULES ADOPTED BY THE IOWA STATE BOARD OF HEALTH REGARDING INFANTILE PARALYSIS.

The Iowa state board of health adopted the following special rules regarding poliomyelitis at a meeting held August 17, 1910:

All cases of infantile paralysis, or suspected cases, shall be reported by the attending physician or the head of the family to the local board of health.

The state board of health recommends the quarantine of all cases for at least two weeks after the beginning of the disease and thorough disinfection of infected premises after the termination of the disease.

It is a well-established fact that the infectious material is found in the secretions of the nose and mouth of afflicted persons, and the board therefore recommends the use of sprays or gargles of 1 per cent solution of hydrogen peroxide to prevent the further spread of the disease. All discharges from the patient should be disinfected by means of bichloride of mercury or carbolic acid.

SMALLPOX IN THE UNITED STATES.

Reports Received During Week Ended September 2, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Colorado:				
Adams County.....	July 1-31.....	3	.....
Archuleta County.....	July 1-31.....	9	.....
Chaffee County.....	July 1-31.....	2	.....
Conejos County.....	July 1-31.....	1	.....
Denver County.....	July 1-31.....	20	.....
El Paso County.....	July 1-31.....	2	.....
Huerfano County.....	July 1-31.....	4	.....
Las Animas County.....	July 1-31.....	2	.....
Prowers County.....	July 1-31.....	5	.....
Pueblo County.....	July 1-31.....	1	.....
Saguache County.....	July 1-31.....	12	.....
Teller County.....	July 1-31.....	1	.....
District of Columbia.....	Aug. 14-20.....	1	.....
Florida:				
Brevard County.....	Aug. 7-13.....	1	.....
Gadsden County.....	Aug. 7-13.....	4	.....
Indiana:				
Allen County.....	June 1-30.....	2	.....
Carroll County.....	June 1-30.....	1	.....
Clay County.....	June 1-30.....	2	.....
Dekalb County.....	June 1-30.....	1	.....
Grant County.....	June 1-30.....	8	.....
Howard County.....	June 1-30.....	3	.....
Lake County.....	June 1-30.....	1	.....
Madison County.....	June 1-30.....	6	.....
Marion County.....	June 1-30.....	1	.....
Marshall County.....	June 1-30.....	1	.....
Martin County.....	June 1-30.....	4	.....
Miami County.....	June 1-30.....	6	.....
Montgomery County.....	June 1-30.....	6	.....
Owen County.....	June 1-30.....	3	.....
Putnam County.....	June 1-30.....	1	.....
St. Joseph County.....	June 1-30.....	7	.....
Viigo County.....	June 1-30.....	22	.....
Warren County.....	June 1-30.....	1	.....
Wayne County.....	June 1-30.....	6	.....
Louisiana:				
New Orleans.....	Aug. 14-20.....	4	.....
North Carolina:				
Alamance County.....	June 1-30.....	5	.....
Alexander County.....	June 1-30.....	27	.....
Anson County.....	June 1-30.....	7	.....
Beaufort County.....	June 1-30.....	1	.....
Bladen County.....	June 1-30.....	3	.....
Buncombe County.....	June 1-30.....	1	.....
Cabarrus County.....	June 1-30.....	3	.....
Caldwell County.....	June 1-30.....	3	.....
Catawba County.....	June 1-30.....	4	.....
Chatham County.....	June 1-30.....	15	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received During Week Ended September 2, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Cleveland County.....	June 1-30.....	.....	.....	Few cases.
Carriluck County.....	June 1-30.....	6	.....
Davidson County.....	June 1-30.....	3	.....
Durham County.....	June 1-30.....	6	.....
Edgecombe County.....	June 1-30.....	1	.....
Forsyth County.....	June 1-30.....	3	.....
Gaston County.....	June 1-30.....	1	.....
Greene County.....	June 1-30.....	1	.....
Guilford County.....	June 1-30.....	13	.....
Henderson County.....	June 1-30.....	2	.....
Iredell County.....	June 1-30.....	20	.....
Lee County.....	June 1-30.....	1	.....
Lenoir County.....	June 1-30.....	8	.....
Lincoln County.....	June 1-30.....	1	.....
Mecklenburg County.....	June 1-30.....	9	.....
Nash County.....	June 1-30.....	1	.....
New Hanover County.....	June 1-30.....	18	.....
Orange County.....	June 1-30.....	13	.....
Pamlico County.....	June 1-30.....	2	.....
Person County.....	June 1-30.....	3	.....
Rowan County.....	June 1-30.....	11	.....
Stanley County.....	June 1-30.....	6	.....
Union County.....	June 1-30.....	6	.....
Warren County.....	June 1-30.....	6	.....
Watauga County.....	June 1-30.....	6	.....
Wayne County.....	June 1-30.....	.....	.....	Do.
Wilkes County.....	June 1-30.....	2	.....
Wilson County.....	June 1-30.....	1	.....
Oregon:				
Baker County.....	May 1-31.....	1	.....
Benton County.....	May 1-31.....	2	.....
Linn County.....	June 1-30.....	2	.....
Multnomah County.....	Apr. 1-May 31.....	10	.....
Umatilla County.....	May 1-31.....	1	.....
Union County.....	May 1-31.....	2	.....
Wasco County.....	Apr. 1-30.....	2	.....
Washington County.....	Apr. 1-June 30.....	3	.....
Yamhill County.....	Apr. 1-June 30.....	15	.....

Reports Received from June 25 to August 26, 1910.

[For reports received from January 1, 1910, to June 24, 1910, see Public Health Reports for June 24, 1910. In accordance with custom the tables of epidemic diseases are terminated semiannually and new tables begun.]

Alabama:				
Birmingham.....	June 12-Aug. 6....	11	.....
Mobile.....	June 12-July 30....	13	.....
Montgomery.....	June 12-25.....	6	.....
Total for State.....		30	.....
Arkansas:				
Fort Smith.....	June 19-25.....	1	.....
California, general.....				
	May 1-June 30....	27	.....
Total for State.....		27	.....
Colorado:				
Alamosa County.....	Apr. 1-30.....	.....	1	
Las Animas County.....	Mar. 1-Apr. 30....	.....	2	
Logan County.....	May 1-31.....	.....	1	
Montrose County.....	Apr. 1-30.....	.....	1	
Archuleta County.....	June 1-30.....	7	.....
Conejos County.....	June 1-30.....	2	.....
Delta County.....	June 1-30.....	2	.....
Denver County.....	June 1-30.....	9	.....
Huerfano County.....	June 1-30.....	10	.....
Kit Carson County.....	June 1-30.....	4	.....
Larimer County.....	June 1-30.....	1	.....
Las Animas County.....	June 1-30.....	3	.....
Logan County.....	June 1-30.....	1	.....
Mesa County.....	June 1-30.....	1	.....
Montrose County.....	June 1-30.....	5	.....
Otero County.....	June 1-30.....	4	.....
Prowers County.....	June 1-30.....	7	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Colorado—Continued.				
Rio Grande County.....	June 1-30.....	4	.....
Saguache County.....	June 1-30.....	1	.....
San Miguel County.....	June 1-30.....	1	1	
Teller County.....	June 1-30.....	1	.....
Weld County.....	June 1-30.....	5	.....
Total for State.....		68	6	
District of Columbia.				
.....	July 3-Aug. 13....	12	.....
Total for District.....		12	.....
Florida:				
Duval County.....	June 19-25.....	2	.....
Gadsden County.....	July 3-Aug. 6.....	7	.....
Hillsboro County.....	July 17-Aug. 6.....	2	.....
Jackson County.....	June 19-Aug. 6....	3	.....
Jefferson County.....	July 10-Aug. 6.....	4	.....
Leon County.....	Mar. 1-31.....	.....	1	
Liberty County.....	July 17-23.....	14	.....
Santa Rosa County.....	July 31-Aug. 6.....	2	.....
Taylor County.....	July 3-9.....	1	.....
Walton County.....	June 12-18.....	1	.....
Total for State.....		36	1	
Georgia:				
Columbus.....	July 3-9.....	6	.....
Macon.....	Apr. 1-June 30....	8	.....
Total for State.....		14	.....
Illinois:				
Adams County.....	June 1-30.....	2	.....
Clay County.....	June 1-30.....	1	.....
Coles County.....	June 1-30.....	22	.....
Cook County.....	June 1-30.....	1	.....
Chicago.....	June 1-30.....	1	.....
Edgar County.....	June 1-30.....	2	.....
Franklin County.....	June 1-30.....	1	.....
Henry County.....	July 1-31.....	3	.....
Iroquois County.....	June 1-30.....	1	.....
Jo Daviess County.....	June 1-July 31....	9	.....
Kendall County.....	June 1-July 31....	2	.....
Knox County.....	June 1-July 31....	6	.....
Madison County.....	June 1-July 31....	22	.....
Marion County.....	June 1-30.....	3	.....
Montgomery County.....	June 1-30.....	6	.....
Peoria County.....	June 1-July 31....	5	.....
Perry County.....	June 1-30.....	1	.....
Pulaski County.....	June 1-30.....	1	.....
Randolph County.....	June 1-30.....	1	.....
Richland County.....	June 1-July 31....	8	.....
Rock Island County.....	June 1-July 31....	5	.....
St. Clair County.....	June 1-30.....	1	.....
Sangamon County.....	June 1-30.....	1	.....
Tazewell County.....	June 1-30.....	2	.....
Union County.....	June 1-30.....	4	.....
Wayne County.....	June 1-30.....	3	.....
Williamson County.....	June 1-30.....	2	.....
Total for State.....		116	.....
Indiana:				
Allen County.....	May 1-31.....	6	.....
Clinton County.....	May 1-31.....	1	.....
Delaware County.....	May 1-31.....	4	.....
Elkhart County.....	May 1-31.....	1	.....
Gibson County.....	May 1-31.....	1	.....
Grant County.....	May 1-31.....	5	.....
Greene County.....	May 1-31.....	9	.....
Howard County.....	May 1-31.....	18	.....
Marion County.....	May 1-31.....	5	.....
Orange County.....	May 1-31.....	18	.....
Owen County.....	May 1-31.....	20	.....
St. Joseph County.....	May 1-31.....	3	.....
Tipton County.....	May 1-31.....	1	.....
Vigo County.....	May 1-31.....	6	.....
Total for State.....		98	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Iowa:				
Benton County.....	June 1-July 31.....	4		
Buchanan County.....	June 1-30.....	2		
Cedar County.....	July 1-31.....	1		
Clayton County.....	June 1-30.....	1		
Dallas County.....	June 1-30.....	1		
Delaware County.....	June 1-30.....	10		
Dubuque County.....	June 1-30.....	1		
Linn County.....	June 1-July 31.....	36		
Polk County.....	June 1-July 31.....	19		
Pottawattamie County.....	June 1-July 31.....	17		
Scott County.....	June 1-July 31.....	4		
Webster County.....	July 1-31.....	1		
Winneshiek County.....	June 1-30.....	1		
Woodbury County.....	June 1-30.....	1		
Total for State.....		99		
Kansas:				
Allen County.....	May 1-June 30.....	38		
Atchison County—				
Atchison.....	Apr. 1-May 31.....	7		
Barton County.....	June 1-30.....	6		
Butler County.....	Apr. 1-June 30.....	8		
Cherokee County.....	June 1-30.....	4		
Cowley County.....	Apr. 1-June 30.....	11		
Crawford County.....	June 1-30.....	4	1	
Decatur County.....	Apr. 1-June 30.....	33		
Dickinson County.....	May 1-June 30.....	10		
Doniphan County.....	Apr. 1-30.....	10		
Edwards County.....	Apr. 1-June 30.....	4		
Elk County.....	May 1-June 30.....	4		
Ellsworth County.....	Apr. 1-30.....	1		
Finney County.....	Apr. 1-30.....	2		
Ford County.....	June 1-30.....	1		
Graham County.....	Apr. 1-May 31.....	6		
Greenwood County.....	Apr. 1-June 30.....	56		
Harper County.....	May 1-June 30.....	3		
Harvey County.....	Apr. 1-June 30.....	22		
Jewell County.....	May 1-June 30.....	21		
Kearny County.....	Apr. 1-May 31.....	5		
Kingman County.....	Apr. 1-June 30.....	4		
Labette County—				
Parsons.....	Apr. 1-June 30.....	11		
Lane County.....	May 1-31.....	2		
Leavenworth County.....	Apr. 1-May 31.....	8		
Leavenworth.....	May 1-June 30.....	2		
Lyon County.....	June 1-30.....	11		
McPherson County.....	May 1-June 30.....	14		
Miami County.....	Apr. 1-May 31.....	2		
Montgomery County.....	Apr. 1-June 30.....	61	2	
Coffeyville.....	Apr. 1-June 30.....	12		
Neosho County.....	May 1-June 30.....	27		
Norton County.....	Apr. 1-June 30.....	50		
Osage County.....	Apr. 1-May 31.....	6		
Osborne County.....	Apr. 1-June 30.....	33		
Pawnee County.....	Apr. 1-30.....	3		
Phillips County.....	May 1-31.....	6		
Pratt County.....	June 1-30.....	1		
Rawlins County.....	June 1-30.....	1		
Reno County.....	Apr. 1-June 30.....	23	3	
Riley County.....	Apr. 1-May 31.....	5		
Rush County.....	Apr. 1-30.....	3		
Saline County.....	Apr. 1-June 30.....	21		
Scott County.....	Apr. 1-May 31.....	5		
Sedgwick County.....	Apr. 1-May 31.....	7		
Wichita.....	Apr. 1-June 30.....	49		
Seward County.....	May 1-31.....	2		
Shawnee County.....	June 1-30.....	1		
Sheridan County.....	Apr. 1-30.....	1		
Sherman County.....	May 1-31.....	1		
Stafford County.....	June 1-30.....	2		
Sumner County.....	May 1-31.....	4		
Thomas County.....	Apr. 1-May 31.....	2	1	
Trego County.....	June 1-30.....	1		
Wallace County.....	June 1-30.....	1		
Wyandotte County.....	Apr. 1-30.....	4		
Kansas City.....	Apr. 1-June 30.....	57		
Total for State.....		699	7	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Kentucky:				
Covington.....	June 26-July 2....	1		
Total for State.....		1		
Louisiana:				
Avoyelles Parish.....	June 1-30.....	12		
Calcasieu Parish.....	June 1-30.....	2		
Iberia Parish.....	June 1-30.....	19		
Orleans Parish.....	June 1-30.....			
New Orleans.....	June 12-Aug. 10.....	79		
St. John Parish.....	June 1-30.....	10		
St. Tammany Parish.....	June 1-30.....	2		
Tangipahoa Parish.....	June 1-30.....	25		
Vermilion Parish.....	June 1-30.....	30		
Total for State.....		179		
Maine:				
Biddeford.....	May 1-31.....	1		
Total for State.....		1		
Maryland:				
Allegany County—				
Cumberland.....	May 1-July 31.....	2		
Total for State.....		2		
Massachusetts:				
Middlesex County.....	July 1-31.....	1		
Suffolk County.....	June 1-July 31.....	8		
Total for State.....		9		
Michigan:				
Alcona County.....	June 1-30.....	1		
Arenac County.....	June 1-30.....	2		
Bay County.....	June 1-July 31.....	7	2	
Berrien County.....	July 1-31.....	1		
Cheboygan County.....	June 1-July 31.....	27		
Clare County.....	June 1-July 31.....	12		
Eaton County.....	June 1-30.....	7		
Genesee County.....	June 1-July 31.....	32		
Grand Traverse County.....	July 1-31.....	2		
Gratiot County.....	June 1-July 31.....	7		
Houghton County.....	June 1-30.....	3		
Huron County.....	June 1-July 31.....	12		
Ingham County.....	June 1-July 31.....	8		
Ionia County.....	June 1-July 31.....	6		
Isabella County.....	June 1-July 31.....	4		
Kalamazoo County.....	June 1-July 31.....	8		
Kent County.....	June 1-30.....	17		
Keweenaw County.....	July 1-31.....	1		
Lapeere County.....	June 1-July 31.....	16		
Livingston County.....	June 1-30.....	17		
Manistee County.....	June 1-30.....	9	1	
Marquette County.....	June 1-30.....	1		
Mason County.....	June 1-July 31.....	10		
Mecosta County.....	June 1-30.....	6		
Midland County.....	June 1-July 31.....	11		
Missaukee County.....	June 1-July 31.....	12		
Monroe County.....	June 1-30.....	2		
Montcalm County.....	July 1-31.....	1		
Muskegon County.....	June 1-30.....	2		
Newaygo County.....	June 1-30.....	2		
Osceola County.....	June 1-30.....	1		
Ottawa County.....	June 1-30.....	1		
Roscommon County.....	June 1-30.....	4		
Saginaw County.....	June 1-July 31.....	32		
St. Clair County.....	June 1-July 31.....	45		
Sanilac County.....	June 1-July 31.....	3		
Shiawassee County.....	June 1-July 31.....	53		
Tuscola County.....	June 1-July 31.....	14		
Wayne County.....	June 1-July 31.....	17		
Total for State.....		416	3	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Minnesota:				
Pope County.....	Apr. 1-30.....	.....	1	
St. Louis County.....	June 1-30.....	.....	1	
Rice County.....	Mar. 1-31.....	.....	1	
Beltrami County.....	May 26-June 5.....	4	.....
Blue County.....	June 6-12.....	1	.....
Carver County.....	June 13-19.....	1	.....
Faribault County.....	May 26-June 5.....	1	.....
Hennepin County.....	May 26-June 26.....	52	.....
Kittson County.....	June 6-19.....	2	.....
Koochiking County.....	May 26-June 5.....	6	.....
Lesueur County.....	June 13-19.....	32	.....
Meeker County.....	June 6-12.....	1	.....
Ramsey County.....	June 13-26.....	14	.....
Renville County.....	June 6-12.....	1	.....
Rice County.....	May 26-June 5.....	1	.....
St. Louis County.....	May 26-June 5.....	10	.....
Stearns County.....	June 20-26.....	1	.....
Steele County.....	June 6-19.....	2	.....
Wabasha County.....	June 13-26.....	2	.....
Total for State.....		131	3	
Mississippi:				
Natchez.....	July 24-30.....	5	.....
Total for State.....		5	.....
Missouri:				
Kansas City.....	May 15-June 30.....	32	.....
St. Louis.....	June 12-July 16.....	9	.....
Savannah.....	June 26-July 2.....	5	.....
Total for State.....		46	.....
Montana:				
Custer County.....	Apr. 1-30.....	.....	1	
Beaverhead County.....	June 1-30.....	1	.....
Cascade County.....	June 1-30.....	1	.....
Dawson County.....	June 1-30.....	4	.....
Fergus County.....	June 1-30.....	2	.....
Flathead County.....	June 1-30.....	1	.....
Meagher County.....	June 1-30.....	1	.....
Park County.....	June 1-30.....	2	.....
Rosebud County.....	June 1-30.....	2	.....
Silver Bow County.....	June 1-30.....	9	.....
Butte County.....	June 1-30.....	27	.....
Yellowstone County.....	June 1-30.....	2	.....
Total for State.....		52	1	
Nebraska:				
Lincoln.....	Apr. 1-June 30.....	30	.....
South Omaha.....	June 1-30.....	3	.....
Total for State.....		33	.....
New Jersey:				
Cumberland County.....	June 1-July 31.....	4	.....
Total for State.....		4	.....
New York: Empire State.				
June 1-30.....		44	2	
Erie County—				
Buffalo.....	May 1-31.....	1	.....
Tonawanda Township.....	May 1-31.....	2	.....
Niagara County—				
Niagara Falls.....	May 1-31.....	1	.....
North Tonawanda.....	May 1-31.....	1	.....
St. Lawrence County.....	May 1-31.....	19	.....
Schenectady County.....	May 1-31.....	2	.....
Total for State.....		70	2	
North Carolina:				
Forsyth County.....	Feb. 1-28.....	.....	1	
Rowan County.....	Feb. 1-28.....	.....	1	
Alamance County.....	Mar. 1-May 31.....	36	.....
Alexander County.....	Mar. 1-May 31.....	48	.....
Anson County.....	Apr. 1-May 31.....	2	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
North Carolina—Continued.				
Ashe County.....	Mar. 1-31.....	12		
Beaufort County.....	Mar. 1-31.....	4		
Bladen County.....	Apr. 1-May 31.....	16		
Cabarrus County.....	Mar. 1-May 31.....	12		
Caldwell County.....	Mar. 1-May 31.....	9	1	
Catawba County.....	Mar. 1-May 31.....	38		
Chatham County.....	Mar. 1-Apr. 30.....	3		
Chowan County.....	Mar. 1-31.....	3		
Columbus County.....	Apr. 1-May 31.....	23		
Craven County.....	Mar. 1-31.....	1		
Currituck County.....	Mar. 1-May 31.....	17		
Davidson County.....	Mar. 1-31.....	2		
Davie County.....	Mar. 1-31.....	8		
Durham County.....	Mar. 1-May 31.....	18		
Forsyth County.....	Mar. 1-May 31.....	17		
Franklin County.....	Mar. 1-31.....	5		
Gaston County.....	Mar. 1-May 31.....	12	2	
Graham County.....	Mar. 1-Apr. 30.....	8		
Greene County.....	Mar. 1-Apr. 30.....	19		
Guilford County.....	Mar. 1-May 31.....	44		
Halifax County.....	Mar. 1-31.....	40		
Henderson County.....	May 1-31.....	4		
Hertford County.....	Mar. 1-31.....	1		
Iredell County.....	May 1-31.....	1		Several.
Johnson County.....	Apr. 1-May 31.....	4		Several in March.
Jones County.....	Mar. 1-31.....	1		
Lee County.....	Mar. 1-31.....	5		
Lenoir County.....	Mar. 1-May 31.....	11		
Lincoln County.....	Mar. 1-May 31.....	2		
Madison County.....	Apr. 1-30.....	5		
Martin County.....	Apr. 1-May 31.....	4		
Mecklenburg County.....	Mar. 1-May 31.....	15		
Montgomery County.....	Mar. 1-May 31.....	47		
Nash County.....	Mar. 1-May 31.....	50		
New Hanover County.....	Mar. 1-May 31.....	12		
Onslow County.....	Mar. 1-May 31.....	5		
Orange County.....	Mar. 1-May 31.....	32		
Pamlico County.....	Mar. 1-31.....	2		
Perquimans County.....	May 1-31.....	1		
Persons County.....	May 1-31.....	1		
Pitt County.....	Mar. 1-May 31.....	23		
Polk County.....	Mar. 1-31.....	7		
Richmond County.....	Apr. 1-30.....	2		
Robeson County.....	Apr. 1-May 31.....	3		
Rockingham County.....	Mar. 1-31.....	48		
Rowan County.....	Mar. 1-May 31.....	32	1	
Sampson County.....	May 1-31.....	2		
Scotland County.....	May 1-31.....	5		
Stanly County.....	Apr. 1-May 31.....	20		
Stokes County.....	Mar. 1-31.....	64		
Surry County.....	Mar. 1-31.....	4		
Union County.....	Mar. 1-May 31.....	25		
Vance County.....	Apr. 1-30.....	4		
Wake County.....	Apr. 1-May 31.....	22		
Warren County.....	Apr. 1-30.....	20		
Washington County.....	Mar. 1-Apr. 30.....	4		
Watauga County.....	Apr. 1-May 31.....	20		
Wayne County.....	Apr. 1-May 31.....	6		
Wilkes County.....	Mar. 1-May 31.....	35		
Wilson County.....	Mar. 1-May 31.....	24	1	
Yancey County.....	Mar. 1-31.....	26		
Total for State.....		995	7	
North Dakota:				
Cass County.....	June 1-July 31.....	3		
Cavaller County.....	June 1-30.....	1		
Grand Forks County.....	June 1-10.....	4		
Logan County.....	June 1-30.....	1		
McKenzie County.....	June 1-30.....	1		
Morton County.....	July 1-31.....	4		
Pierce County.....	June 1-30.....	1		
Stark County.....	July 1-31.....	1		
Traill County.....	June 1-30.....	6		
Ward County.....	June 1-30.....	4		
Total for State.....		26		

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Oklahoma, general.....	Jan. 1-31.....	.....	1	Reported out of date.
Canadian County.....	Apr. 1-30.....	.....	1	
Comanche County.....	Apr. 1-30.....	.....	3	
Oklahoma County.....	Apr. 1-30.....	.....	4	
Pottawatomie County.....	Apr. 1-30.....	.....	2	
Atoka County.....	May 1-31.....	20	.....
Beckham County.....	May 1-31.....	2	.....
Blaine County.....	May 1-31.....	8	.....
Caddo County.....	May 1-31.....	1	.....
Canadian County.....	May 1-31.....	17	.....
Choctaw County.....	May 1-31.....	1	.....
Coal County.....	May 1-31.....	5	.....
Comanche County.....	May 1-31.....	4	1	
Custer County.....	May 1-31.....	9	.....
Garvin County.....	May 1-31.....	1	.....
Grady County.....	Apr. 1-30.....	.....	1	
Grady County.....	May 1-31.....	6	6	
Haskell County.....	May 1-31.....	7	.....
Hughes County.....	May 1-31.....	42	.....
Jefferson County.....	May 1-31.....	3	.....
Kiowa County.....	May 1-31.....	1	.....
Lincoln County.....	May 1-31.....	4	.....
McLain County.....	May 1-31.....	9	.....
McIntosh County.....	May 1-31.....	11	.....
Murray County.....	May 1-31.....	1	.....
Muskogee County.....	May 1-31.....	5	.....
Noble County.....	May 1-31.....	8	.....
Nowata County.....	May 1-31.....	3	.....
Okfuskee County.....	May 1-31.....	1	.....
Oklahoma County.....	May 1-31.....	1	1	
Okmulgee County.....	May 1-31.....	2	.....
Pawnee County.....	May 1-31.....	4	.....
Payne County.....	May 1-31.....	10	.....
Pittsburg County.....	May 1-31.....	6	1	
Pontotoc County.....	May 1-31.....	12	.....
Seminole County.....	May 1-31.....	2	.....
Texas County.....	May 1-31.....	4	.....
Tillman County.....	May 1-31.....	2	.....
Tulsa County.....	May 1-31.....	1	1	
Washita County.....	May 1-31.....	1	.....
Total for State.....		214	22	
Ohio:				
Allen County.....	June 1-30.....	3	.....
Athens County.....	July 1-31.....	1	.....
Butler County.....	June 1-July 31.....	4	.....
Clarke County.....	July 1-31.....	3	.....
Clinton County.....	June 1-30.....	10	.....
Columbiana County.....	June 1-July 31.....	6	.....
Cuyahoga County.....	June 1-July 31.....	16	1	
Fairfield County.....	June 1-30.....	1	.....
Franklin County.....	June 1-July 31.....	9	.....
Hamilton County.....	June 1-30.....	1	.....
Hancock County.....	July 1-31.....	4	.....
Hocking County.....	June 1-July 31.....	26	.....
Jefferson County.....	July 1-31.....	1	.....
Lucas County.....	June 1-July 31.....	5	.....
Mahoning County.....	July 1-31.....	1	.....
Marion County.....	July 1-31.....	1	.....
Perry County.....	June 1-30.....	1	.....
Pickaway County.....	June 1-30.....	1	.....
Portage County.....	June 1-30.....	7	.....
Ross County.....	June 1-July 31.....	72	.....
Seneca County.....	July 1-31.....	1	.....
Scioto County.....	June 1-30.....	2	.....
Stark County.....	June 1-July 31.....	29	.....
Summit County.....	July 1-31.....	5	.....
Wayne County.....	June 1-30.....	2	.....
Wood County.....	June 1-30.....	2	.....
Total for State.....		214	1	
Pennsylvania, general.....	Apr. 1-30.....	.....	2	
	May 1-June 30.....	29	3	
Total for State.....		29	5	
South Carolina:				
Charleston.....	June 1-July 31.....	28	.....
Total for State.....		28	.....

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from June 23 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
Tennessee:				
Benton County—				
Camden.....	July 1-7.....	2		
Davidson County—				
Nashville.....	June 12-July 9....	2		
Hamilton County—				
Chattanooga.....	June 12-July 16...	4		
Knox County—				
Knoxville.....	June 12-July 16...	8		
Shelby County.....	May 1-June 30....	39		
Memphis.....	June 12-July 19...	8		
Total for State.....		63		
Texas, general.....				
	Apr. 1-May 31....	593	13	
Total for State.....		593	13	
Utah, general.....				
	Mar. 1-31.....	112		Report received out of date.
Boxelder County.....	May 1-31.....	1		
Cache County.....	May 1-31.....	6		
Davis County.....	May 1-June 30....	34		
Juab County.....	June 1-30.....	2		
Salt Lake County.....	May 1-June 30....	28	1	
Utah County.....	May 1-June 30....	2		
Weber County.....	May 1-31.....	18		
Total for State.....		203	1	
Virginia:				
Lynchburg.....	June 12-18.....	1		
Total for State.....		1		
Washington, general.....				
	Feb. 1-Mar. 31....		4	
Wisconsin:				
Ashland County.....	June 1-July 31....	16		
Barron County.....	June 1-30.....	1		
Brown County.....	July 1-31.....	5		
Douglas County.....	June 1-July 31....	3		
Dunn County.....	July 1-31.....	1		
Eau Claire County.....	June 1-July 31....	4		
Florence County.....	June 1-30.....	4		
Fond du Lac County.....	July 1-31.....	1		
Kenosha County.....	July 1-31.....	1		
Lafayette County.....	June 1-30.....	1		
La Crosse County.....	June 1-30.....	2		
Milwaukee County.....	July 1-31.....	7		
Pierce County.....	July 1-31.....	1		
Polk County.....	July 1-31.....	5		
Rusk County.....	June 1-30.....	1		
St. Croix County.....	July 1-31.....	5		
Sawyer County.....	June 1-30.....	8		
Waupaca County.....	June 1-30.....	2		
Winnebago County.....	July 1-31.....	1		
Total for State.....		69		
Grand total for the United States.....		4,584	76	

PLAGUE IN THE UNITED STATES.

Reports Received from June 25 to August 26, 1910.

Place.	Date.	Cases.	Deaths.	Remarks.
California:				
San Benito County—				
Hollister.....	June 5-11.....	1	1	

MORBIDITY AND MORTALITY.

WEEKLY MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES.

[For smallpox and plague see special tables.]

Cities.	Week ended—	Total deaths from all causes.	Tuber- culosis.		Small- pox.		Enteric fever.		Scarlet fever.		Diph- theria.		Measles.		Whoop- ing cough.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Altoona, Pa.	Aug. 20	21	...	2	...	...	4	1	...	...	...	...	...	...	...	...
Ann Arbor, Mich.	Aug. 13	6	1	1	...	...	...	...	1	...	...	...	...	...	...	...
Ashtabula, Ohio.	Aug. 6	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	Aug. 13	7	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Auburn, N. Y.	do.	7	...	...	...	...	...	...	...	...	...	1	2	...	...	...
Baltimore, Md.	Aug. 20	189	38	21	...	...	120	11	16	1	9	2	...	...	5	2
Bayonne, N. J.	Aug. 13	1	...	...	...	...	...	...	...	...	7	2	...	...	2	...
Beaver Falls, Pa.	Aug. 20	...	...	...	...	...	...	...	2	...	1	...	...	...	...	...
Berkeley, Cal.	Aug. 13	9	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Biddeford, Me.	Aug. 20	34	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Boston, Mass.	do.	22	71	17	...	...	21	3	16	...	36	1	19	2	11	1
Boulder, Colo.	do.	4	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Butler, Pa.	do.	23	...	...	...	...	2	...	...	...	...	...	...	...	...	...
Camden, N. J.	do.	...	...	...	...	...	2	...	4	...	3	1	...	...	...	...
Canton, Ohio.	Aug. 13	12	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Carbondale, Pa.	Aug. 20	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carlisle, Pa.	do.	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chattanooga, Tenn.	do.	2	...	...	...	...	3	...	...	...	...	...	...	...	...	...
Chicago, Ill.	do.	630	107	74	...	...	78	7	69	2	80	11	26	2	58	5
Chicopee, Mass.	do.	13	2	1	...	...	...	2	...	...	...	1	...	...	...	...
Clinton, Mass.	do.	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Covington, Ky.	do.	20	...	2	...	...	8	...	...	...	2	...	...	...	...	...
Cumberland, Md.	do.	15	...	2	...	...	11	...	...	...	...	...	...	...	...	...
Detroit, Mich.	do.	141	...	...	...	...	...	2	12	...	10	...	...	...	...	...
Erie, Pa.	Aug. 6	21	3	1	...	...	2	...	2	...	1	2	...	...	39	...
Do.	Aug. 13	19	5	3	...	...	...	7	...	...	...	...	...	...	2	...
Do.	Aug. 20	29	2	5	...	...	2	...	2	...	...	...	4	...	...	...
Fall River, Mass.	do.	53	3	2	...	...	7	...	2	...	1	...	7	...	1	...
Fort Smith, Ark.	July 2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	July 9	9	...	1	...	...	...	1	...	1	...	...	...	...	...	...
Do.	July 16	12	...	...	...	...	1	...	1	...	...	...	1	...	...	...
Do.	July 23	8	...	...	...	...	1	1	2	...	2	1	...	...	...	...
Do.	July 20	10	...	1	...	...	...	...	...	...	4	...	...	...	...	...
Galesburg, Ill.	Aug. 20	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gloucester, Mass.	do.	8	...	1	...	...	...	...	...	...	1	...	...	...	...	...
Grand Rapids, Mich.	do.	40	2	...	...	...	8	...	2	...	...	1	...	...	1	...
Hartford, Conn.	Aug. 13	30	2	3	...	...	1	1	...	...	5	1	1	...	...	...
Haverhill, Mass.	Aug. 20	22	...	...	...	...	...	1	...	...	1	...	2	...	...	...
Hoboken, N. J.	do.	...	...	1	...	...	...	2	...	...	...	...	...	...	...	...
Hyde Park, Mass.	do.	4	...	1	...	...	2	...	1	...	...	...	...	...	...	...
Jacksonville, Fla.	do.	27	...	4	...	...	...	...	...	...	...	...	...	...	...	...
Jersey City, N. J.	do.	71	...	10	...	...	8	...	...	...	1	...	...	...	...	1
Johnstown, Pa.	do.	19	...	2	...	...	3	...	2	...	1	...	4	...	...	...
Kansas City, Kans.	do.	28	...	1	...	...	7	3	3	...	3	...	...	...	...	...
Kearney, N. J.	do.	...	1	...	...	...	1	...	...	...	1	...	1	...	...	...
La Crosse, Wis.	do.	7	...	1	...	...	2	1	2	...	2	...	...	...	...	...
Lebanon, Pa.	do.	6	...	1	...	...	1	...	1	...	4	1	...	...	...	...
Lowell, Mass.	do.	40	2	6	...	...	5	...	2	...	1	...	...	...	...	...
Lynn, Mass.	Aug. 13	17	2	1	...	...	2	1	4	...	3	...	...	...	...	...
Manitowoc, Wis.	do.	3	...	1	...	...	...	1	...	...	...	...	...	...	...	...
Do.	Aug. 20	3	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Medford, Mass.	do.	5	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Memphis, Tenn.	do.	53	4	8	...	...	8	...	...	...	...	...	...	...	...	...
Milwaukee, Wis.	do.	94	18	8	...	...	25	...	25	20	1	...	1	...	3	...
Monclair, N. J.	do.	4	1	1	...	...	1	...	...	...	...	...	...	...	...	1
Montgomery, Ala.	do.	26	5	2	...	...	2	...	...	...	1	...	...	...	...	...
Morristown, N. J.	Aug. 13	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Newark, N. J.	Aug. 20	101	11	13	...	...	3	...	13	...	15	2	...	...	...	3
Nashville, Tenn.	do.	37	...	2	...	...	10	3	...	...	...	...	...	...	...	...
New Bedford, Mass.	do.	40	3	...	...	...	20	...	1	...	...	...	...	...	1	...
Newburyport, Mass.	do.	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
New Orleans, La.	do.	142	31	20	...	...	12	8	4	...	2	...	7	2	...	...
Newton, Mass.	do.	10	4	1	...	...	2	...	1	...	...	...	1	...	...	...
North Adams, Mass.	do.	10	...	1	...	...	...	1	...	...	...	...	...	...	...	...
North Weymouth, Mass.	July 31	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	Aug. 6	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Do.	Aug. 13	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Oakland, Cal.	Aug. 6	35	4	2	...	...	...	...	...	...	...	...	1	...	...	...
Do.	Aug. 13	27	1	4	...	...	3	...	...	...	1	...	...	...	...	...

MORBIDITY AND MORTALITY—Continued.

Weekly morbidity and mortality table, cities of the United States—Continued.

Cities.	Week ended—	Total deaths from all causes.	Tuberculosis.		Small-pox.		Enteric fever.		Scarlet fever.		Diphtheria.		Measles.		Whooping cough.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Oklahoma	July 9	29	4	5	.....	.....	25	4	4	.....	2	1	5	.....	2	.....
Do	July 16	16	.....	.....	.....	.....	12	3	3	.....	2	.....	3	.....	.....	.....
Do	July 23	18	.....	2	.....	.....	22	2	5	.....	.....	.....	2	.....	.....	.....
Do	July 31	31	.....	.....	.....	.....	15	1	.....	.....	.....	.....	1	.....	.....	.....
Paducah, Ky.	Aug. 20	6	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Rock Island, Ill.	do	16	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	1
Sacramento, Cal.	Aug. 13	6	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Louis, Mo.	Aug. 20	210	47	25	.....	.....	18	3	16	3	21	.....	15	.....	23	.....
San Antonio, Tex.	do	11	.....	10	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....
San Francisco, Cal.	Aug. 13	99	29	12	.....	.....	12	1	6	.....	7	.....	10	.....	16	.....
Schenectady, N. Y.	do	24	2	2	.....	.....	12	.....	.....	.....	.....	.....	1	.....	.....	1
Somerville, Mass.	Aug. 20	18	3	1	.....	.....	3	.....	2	.....	5	.....	1	.....	.....	.....
South Bethlehem, Pa.	do	8	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Steelton, Pa.	do	7	3	.....	.....	.....	1	.....	2	3	5	1	.....	.....	2	.....
Superior, Wis.	do	19	.....	.....	.....	.....	.....	.....	3	.....	2	.....	.....	.....	.....	.....
Tacoma, Wash.	Aug. 13	25	.....	.....	.....	.....	8	2	.....	.....	1	.....	1	.....	.....	.....
Toledo, Ohio.	Aug. 20	39	.....	2	.....	.....	5	1	2	.....	6	.....	.....	.....	.....	.....
Topeka, Kans.	Aug. 13	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trenton, N. J.	Aug. 20	1	2	1	.....	.....	8	.....	3	.....	1	.....	.....	.....	.....	.....
Wheeling, W. Va.	Aug. 6	11	.....	1	.....	.....	.....	.....	.....	4	1	.....	.....	3	1	.....
Do	Aug. 13	7	.....	2	.....	.....	.....	.....	1	.....	1	.....	1	.....	.....	.....
Wichita, Kans.	Aug. 20	7	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....
Wilkinsburg, Pa.	Aug. 13	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	Aug. 20	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....
Wilmington, Del.	do	34	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Woburn, Mass.	do	.....	3	2	.....	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....
Worcester, Mass.	Aug. 13	61	9	5	.....	.....	50	1	2	.....	8	.....	1	.....	1	2
York, Pa.	Aug. 20	.....	3	.....	.....	.....	3	.....	.....	.....	5	.....	.....	.....	3	.....
Zanesville, Ohio.	do	7	.....	.....	.....	.....	7	.....	.....	.....	2	.....	1	.....	.....	.....

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES AND CITIES OF THE UNITED STATES (untabulated).

FLORIDA.—Reports from the state board of health show as follows: Week ended July 23, 1910. Typhoid fever present in 6 localities with 29 cases, smallpox in 2 counties (Hillsboro and Liberty) with 15 cases, diphtheria in 2 localities with 3 cases, malaria in 6 localities with 16 cases, tuberculosis in 4 localities with 10 cases.

Week ended July 30, 1910. Typhoid fever present in 8 localities with 35 cases, smallpox in 1 county (Gadsden) with 5 cases, diphtheria in 4 localities with 4 cases, malaria in 2 localities with 5 cases, tuberculosis in 4 localities with 6 cases.

INDIANA.—Month of May, 1910. Population 2,732,550. Total number of deaths from all causes, 2,641, including typhoid fever 26, diphtheria 14, tuberculosis 384. Cases reported: Typhoid fever 92, in 33 counties; smallpox 98, in 14 counties; diphtheria 102, in 29 counties.

IOWA—*Dubuque*.—Month of June, 1910. Population 47,585. Total number of deaths from all causes, 50, including diphtheria 1, tuberculosis 3. Cases reported: Diphtheria 5, scarlet fever 8.

KANSAS.—Month of May, 1910. Population 1,703,002. Deaths from contagious diseases: Typhoid fever, 11, smallpox 1, measles 25,

scarlet fever 10, diphtheria 7, tuberculosis 65. Cases reported: Typhoid fever 31, smallpox 304, measles 1,488, scarlet fever 181, diphtheria 68, tuberculosis 258.

MICHIGAN.—Month of May, 1910. Population 2,666,308. Total number of deaths from all causes, 3,105, including typhoid fever 28, smallpox 11, measles 56, scarlet fever 37, diphtheria 28, tuberculosis 244. Cases reported: Typhoid fever 66 in 42 localities, smallpox 372 in 91 localities, measles 1,539 in 169 localities, scarlet fever 617 in 107 localities, tuberculosis 184.

MINNESOTA.—Month of March, 1910. Population, 1,979,658. Total number of deaths from all causes 1,787, including typhoid fever 41, measles 56, scarlet fever 31, diphtheria 42, tuberculosis 320.

NEW JERSEY.—Month ended July 10, 1910. Population, 1,883,669. Total number of deaths from all causes 3,117, including typhoid fever 37, measles 18, scarlet fever 19, diphtheria 34, tuberculosis 359.

NORTH DAKOTA.—Month of June, 1910. Population, 536,103. Total number of deaths from all causes 366, including scarlet fever 1, diphtheria 2, tuberculosis 1. Cases reported: Typhoid fever 4, smallpox 20, measles 99, scarlet fever 42, diphtheria 37, tuberculosis 5.

WISCONSIN.—Months of January, February, and March, 1910. Population, 2,388,356. Deaths from contagious diseases include typhoid fever 68, measles 7, scarlet fever 67, diphtheria 50, tuberculosis, pulmonary, 187. Cases reported: Typhoid fever 644, smallpox 197, measles 944, scarlet fever 1,856, diphtheria 564, tuberculosis, pulmonary, 358.

FOREIGN AND INSULAR.

GERMANY.

Inspection of Russian Emigrants—Precautions Observed at Bremen.

Consul Fee at Bremen reports, July 20:

Upon arrival on the German frontier the tickets of Russian emigrants will be marked with a stamp, indicating the time of actual departure from Russia. From there the Russian emigrants are conveyed in special trains to the port of embarkation. Upon arrival at Bremen they have to pass a medical inspection, and they are then lodged in boarding houses which are especially reserved for them. Here they are under constant control of the Bremen health office.

On the sixth day after crossing the frontier the Russian emigrants are again subjected to a close medical inspection and then allowed to proceed on their journey.

The disinfection of the baggage of the Russian emigrants takes place at the control station at the German frontier. The disinfected baggage is marked with a stamp, and this we accept here as sufficient.

Emigration is watched very carefully at this port, both by the local authorities and by this office, and every precaution is taken to facilitate the detection and to prevent the spread of contagious diseases. No case of cholera has been reported here.

Cholera at Spandau.

The following information was received from the Department of State August 29:

The consul-general at Berlin wires: Two cases of cholera at Spandau, near Berlin, with 1 death. Both were Germans residing there. Contacts isolated in cholera barracks. All measures being taken.

HAWAII.

Last case of human plague at Honolulu occurred July 12, 1910.

The last plague-infected rat was found at Aiea, 9 miles from Honolulu, April 12, 1910.

At Hilo the last case of human plague occurred March 23, 1910.

The last plague-infected rat was found at Piihuona, 4 miles from Hilo, April 9, 1910.

Passed Assistant Surgeon Ramus reports, August 8:

HONOLULU—Plague-prevention Work.*Week ended August 6, 1910.*

Total rats and mongoose taken	784
Trapped	782
Found dead (<i>mus musculus</i> 1) (<i>mus norvegicus</i> 1)	2
Examined bacteriologically	698
Plague rats	0
Classification of animals trapped:	
<i>Mus alexandrinus</i>	80
<i>Mus musculus</i>	332
<i>Mus norvegicus</i>	106
<i>Mus rattus</i>	239
Mongoose	24
Average number of traps set daily	1,738

INDIA.**CALCUTTA—Cholera and Plague.**

Acting Assistant Surgeon Allan reports, July 27:

Week ended July 9. At Calcutta there were 11 deaths from cholera and 22 from plague; in all Bengal, 43 cases of plague, with 68 deaths reported (including 31 which occurred during the week ended July 2); in all India, 801 cases of plague, with 717 deaths.

MEXICO.**Report from the Superior Board of Health of Mexico.**

In compliance with articles 1 and 2 of the International Sanitary Convention held at Washington October 9-14, 1905, the president of the Superior Board of Health of Mexico reports, August 8 and 15, that no case of yellow fever and no death from the said disease were registered in the Mexican Republic during the weeks ended August 6 and 13, and that the prophylactic measures reported under date of September 28, 1908, continue to be carried out.

Yellow Fever at Merida.

Acting Assistant Surgeon Harrison at Progreso reports, August 26: One death from yellow fever at Merida, August 26.

PHILIPPINE ISLANDS.**MANILA—Cholera.**

Chief Quarantine Officer Heiser reports, July 15:

Week ended July 9. In the city of Manila 20 cases of cholera, with 15 deaths, were reported.

Cholera in the provinces.

Province.	Cases.	Deaths.
Batangas	5	1
Bulacan	63	43
Nueva Ecija	16	13
Pampanga	10	10
Pangasinan	172	140
Rizal	6	4
Total	252	211

RUSSIA.

Status of Cholera—Examination of Emigrants.

Acting Assistant Surgeon De Forest at Libau reports, August 7:

During the week ended August 7 there were 472 cases of cholera, with 159 deaths, reported in the city and suburbs of St. Petersburg, leaving at the close of the week 701 cases present in city and suburbs. There were reported 412 cases of suspect cholera, with 44 deaths. These cases presented every symptom of cholera, but were not bacteriologically verified. For all Russia, exclusive of St. Petersburg, there were reported for the week ended August 5 11,342 cases of cholera, with 5,061 deaths.

During the week ended July 31, 3 cases of smallpox were reported at Libau. At the close of the week there were 14 cases of smallpox present. The steamship *Lituania* sailed from Libau for New York August 2 with 834 steerage passengers. All had been in Libau for 5 full days under observation.

Plague in the Province of Astrakhan.

Chargé d'Affaires Wheeler, at St. Petersburg, reported July 21 to the Department of State:

Thirteen cases of bubonic plague with 12 deaths were reported from June 26 to July 7 in the Narinsk and Kalmuk districts of the Kirghiz Steepe, province of Astrakhan. They occurred in 4 camps. The cases have been bacteriologically verified.

A government commission has been sent to the locality in which the outbreak occurred and all measures have been taken to localize and control the epidemic. Contacts have been isolated.

ODESSA—Cholera and Plague.

Consul Grout reports, August 1:

During the week ended July 29 there were reported 102 cases of cholera, with 47 deaths. At the close of the week there were 101 cases of cholera remaining in hospital. From the beginning of the outbreak to July 29 a total of 316 cases, with 158 deaths, has been reported.

Four cases of plague were reported from July 25 to 31, occurring as follows: On July 25 and 30, 1 case each, and on July 31, 2 cases. All premises from which cases were taken have been disinfected. The case reported on July 30 occurred on the same premises on which the first case occurred.^a

VENEZUELA.

LA GUAIRA—Inspection of Vessels.

Acting Assistant Surgeon Kellogg reports, July 17 and 24: During the week ended July 16, 4 vessels having 320 in crews and 157 passengers, and during the week ended July 24, 4 vessels, crews 383, passengers 332, were inspected. No quarantinable diseases were reported in La Guaira or vicinity.

^a Public Health Reports, August 12, 1910, p. 1126.

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

Reports Received During Week Ended September 2, 1910.

[These tables include cases and deaths recorded in reports received by the Surgeon-General, Public Health and Marine-Hospital Service, from American consuls through the Department of State and from other sources.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Germany:				
Spandau	Aug. 29.....	2	1	Near Berlin.
India:				
Bombay.....	July 19-26.....		3	
Calcutta.....	July 3-9.....		11	
Nagapatam.....	June 18-July 1.....		48	
Java:				
Batavia.....	June 9-16.....	40	30	
Philippine Islands:				
Manila.....	July 3-9.....	20	15	
Provinces—				
Batangas.....	July 3-9.....	5	1	
Bulacan.....	July 3-9.....	63	43	
Nueva Ecija.....	July 3-9.....	16	13	
Pampanga.....	July 3-9.....	10	10	
Pangasinan.....	July 3-9.....	152	140	
Rizal.....	July 3-9.....	6	4	
Russia, general.....	July 10-16.....	7,295	3,300	July 17-Aug. 5, cases 32,715, deaths 14,424.
Astrakhan, government—				
Astrakhan.....	July 10-16.....	110	41	
Baku, government.....	July 10-16.....	69	34	
Baku.....	July 10-16.....	18	9	
Bessarabia.....	July 10-16.....	25	8	
Black Sea Province.....	July 10-16.....	29	19	
Don, territory.....	July 10-16.....	1,208	595	
Rostov on Don.....	July 10-16.....	207	65	
Kharkov, government.....	July 10-16.....	491	184	
Khazan, government.....	July 10-16.....	21	6	
Kherson, government.....	July 10-16.....	316	114	
Odessa.....	July 10-16.....	60	35	
Kief, government.....	July 10-16.....	47	16	
Kostroma, government.....	July 10-16.....	9	8	
Kuban, territory.....	July 10-16.....	1,449	797	
Kursk, government.....	July 10-16.....	36	22	
Moscow, government—				
Moscow.....	July 10-16.....	3	1	
Nizhninogorod, govern-				
ment.....	July 10-16.....	41	16	
Orel, government.....	July 10-16.....	3	2	
Padolien, government.....	July 10-16.....	5	1	
Pensa, government.....	July 10-16.....	2	2	
Poltava, government.....	July 10-16.....	230	101	
Rjasan, government.....	July 10-16.....	62	24	
St. Petersburg, govern-				
ment.....	July 10-16.....	1	1	
St. Petersburg.....	July 10-16.....	37	12	
Samara, government.....	July 10-16.....	297	143	
Saratov, government.....	July 10-16.....	318	127	
Simbirsk, government.....	July 10-16.....	47	14	
Stavropol, government.....	July 10-16.....	128	67	
Tambov, government.....	July 10-16.....	106	32	
Taurida, government.....	July 10-16.....	448	166	
Kertsch.....	July 10-16.....	107	49	
Terek, territory.....	July 10-16.....	122	65	
Tiflis, government—				
Tiflis.....	July 10-16.....	102	36	
Tchernigov, government.....	July 10-16.....	94	24	
Ufa, government.....	July 10-16.....	1	1	
Vitebsk, government.....	July 10-16.....	2		
Yekaterinislav, govern-				
ment.....	July 10-16.....	1,040	459	
Trans-Caspian, territory.....			1	
Tula, government.....	July 10-16.....	1	1	
Yaroslavl, government—				
Yaroslavl.....	July 10-16.....	3	2	
Straits Settlements:				
Singapore.....	July 3-16.....	11	10	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended September 2, 1910.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Manaos	July 23-Aug. 6....	9	9	
Para	July 31-Aug. 6....	13	8	
Ecuador:				
Guayaquil	July 16-31	6	3	
Mexico:				
Merida.....	Aug. 26		1	

PLAGUE.

Ecuador:				
Guayaquil	July 16-31.....	6	1	
Egypt:				
Alexandria	July 9-Aug. 2....	7	5	
Port Said.....	July 27-Aug. 2....	9	2	
Provinces—				
Assiout.....	June 17-Aug. 4....	5	1	
Gallioobeyeh	July 3-29.....	2	1	
Menouf	July 13-22.....	2	2	
Minieh.....	July 3-Aug. 3....	6		
India:				
Bombay.....	July 19-26.....		56	
Calcutta	July 3-9.....		22	
Kurrachee	July 17-23.....	13	14	
Rangoon.....	July 10-16.....		40	
Russia:				
Astrakhan, government—				
Khirgiz Steppe.....	June 26-July 7....	13	12	In Kalmuk and Narinsk.

SMALLPOX.

Arabia:				
Maskat.....	July 19-23	1		
Argentina:				
Buenos Aires.....	May 1-31		68	
Belgium:				
Antwerp	July 24-30	1		
Ghent.....	July 24-30		1	
Brazil:				
Bahia	June 25-July 15....	43	33	Present.
Manaos	Aug. 6.....			
Santos	June 19-25.....		1	
Sao Paulo.....	June 19-25.....		2	
Egypt:				
Cairo.....	July 31-Aug. 5....	1		
France:				
Paris.....	July 31-Aug. 6....	2		
Germany, general.....	July 31-Aug. 6....	2		
Great Britain:				
London.....	July 24-Aug. 6....	2		
Italy, general.....	Aug. 1-7.....	2		
India:				
Bombay	June 19-26.....		2	
Java:				
Batavia	July 9-16.....	2		
Malta	July 24-30.....	1	1	
Mexico:				
San Luis Potosi.....	July 31-Aug. 6....		1	
Portugal:				
Lisbon	July 31-Aug. 6....	67		Jan. 1-June 25, deaths 105.
Russia:				
Libau	July 24-31.....	3		
Odessa	July 24-30.....	1		
Riga	July 31-Aug. 6....	28		
St. Petersburg	July 19-23.....	14	9	
Warsaw	May 22-28.....		4	
Siberia:				
Vladivostok	June 22-July 5....	3		
Spain:				
Barcelona.....	Aug. 2-8.....		1	
Madrid.....	July 1-31.....		2	
Straits Settlements:				
Singapore	July 10-16.....	7	5	
Zanzibar:				
Zanzibar	July 15-21.....		7	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from June 23 to August 26, 1910.

[For reports received from January 1, 1910, to June 24, 1910, see PUBLIC HEALTH REPORTS for June 24, 1910. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
Austria:				
Galicia—				
Padwoleczyska	June 20.....	1	1	From Russia.
China:				
Amoy	Aug. 8.....			Present.
Swatow	May 10-June 6.....		254	In vicinity from 3,000 to 4,000 deaths.
Colombo:				
Ceylon	July 3-9.....	1		
Germany:				
Ruhleben (near Berlin) ..	June 23-27.....	2	2	Among Russian emigrants.
India:				
Bombay	June 8-July 19.....		14	
Calcutta	May 1-July 2.....		380	
Madras	May 21-June 2.....		2	
Moulmine	May 1-7.....	1	1	
Negatapam	Apr. 16-June 18.....		67	
Rangoon	May 8-July 2.....		12	
Italy:				
Puglia, province	Aug. 20.....	70	60	In 8 localities, mainly at Trani. Imported from Russia.
Java				June 18, present in extreme eastern part. July 2, present in the interior.
Batavia	May 8-July 2.....	165	125	Mainly among natives.
Samarang	May 8-June 4.....	187	152	July 2, disappearing.
Soerabaya	May 8-21.....	27	11	Do.
Netherlands:				
Rotterdam	July 23-29.....	1		From a vessel from Russia.
Persia:				
Ardabil	July 1-6.....	20	6	
Philippine Islands:				
Manila	May 22-July 2.....	37	27	
Provinces—				
Batangas	May 1-7.....	1		
Bulacan	May 1-July 2.....	225	151	
Cavite	June 12-18.....	1		
Mountain Province.....	June 26-July 2.....	1		
Nueva Ecija	June 26-July 2.....	13	6	
Pampanga	Apr. 21-July 2.....	86	84	
Pangasinan	Apr. 24-July 2.....	1,759	1,299	
Rizal	June 12-25.....	5	3	
Tarlac	May 8-June 18.....	45	30	
Union	May 1-28.....	2	1	
Russia, general.....				June 25, present in districts of Igoumen, Mazir, Iansk, Retchitsk, and Sloutsk, May 8-July 9, cases 13,582, deaths 5,708.
Astrakhan, government..	July 3-9.....	3	3	
Astrakhan	June 26-July 2.....	1	1	
Baku, government.....	May 29-July 9.....	106	56	
Baku	July 3-9.....	3	4	
Bessarabia	June 5-July 9.....	18	6	
Black Sea, province	July 3-9.....	25	11	
Don, territory	May 29-July 9.....	2,900	1,156	
Rostov on the Don.....	June 19-July 9.....	1,418	449	
Kharkov, government.....	May 29-June 25.....	238	123	
Kharkov, government.....	June 26-July 3.....	320	168	
Kkazan	June 26-July 9.....	9	3	
Kherson, government	May 29-July 3.....	651	193	
Odessa	May 29-July 9.....	60	29	June 18-20—Fatal case on steamship Colenzo. July 10-30, cases 252, deaths 118.
Kief, government.....	May 29-July 9.....	503	206	
Kuban, government.....	May 29-July 9.....	1,994	1,005	
Kursk, government.....	June 26-July 9.....	11	5	
Minsk, government.....	May 29-June 25.....	61	16	
Mohilev, government.....	May 15-June 18.....	15	9	
Moscow, government—				
Moscow				July 12-23, 5 cases, 2 deaths.
Nizhninogorod, govern-				
ment—	July 3-9	4	3	
Orel, government.....	May 30-June 18.....	2	1	
Orlov	July 3-9	22	8	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from June 25 to August 26, 1910.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia—Continued.				
Padolien, government....	July 3-9	3	1	
Poltava, government	May 29-July 9	722	258	
Rjasan, government.....	July 3-9	15	10	
St. Petersburg, government—				July 9, 1 case. July 10-16, 58 cases, 20 deaths.
St. Petersburg	June 19-July 9	10	5	
Samara, government	June 19-July 9	80	35	
Saratov, government	June 19-July 9	153	62	
Simbirsk, government.....	June 19-July 9	5	2	
Stavropol, government	June 26-July 9	78	31	
Tambov, government.....	June 19-July 9	20	16	
Taurida, government.....	May 29-July 9	562	273	
Kertsch	May 29-July 9	69	31	
Sebastopol	June 19-July 9	10	4	
Theodosia	June 19-25			Present.
Terek, territory.....	June 19-July 9	76	28	
Tiflis, government—				
Tiflis	June 19-July 9	11	5	
Tschernigov	May 29-July 9	419	167	
Vitebsk, government.....	May 29-July 9	13		
Veronesch, government..	May 29-July 9	19	13	
Volhynien, government..	July 3-9	1		
Yekaterinislav, government.	May 29-July 9	2,641	1,178	
Trans-Caspian, territory..	July 3-9	5	4	
Trans-Caucasia—				
Tschernomorsk, district—				
Novorossysk	June 19-July 3	7	6	
Siam:				
Bangkok	May 4-June 18	596	589	
Straits Settlements:				
Singapore	May 8-July 2	53	59	

YELLOW FEVER.

Brazil:				
Bahia	Apr. 30-June 3	2	2	
Manaos	May 30-July 23	17	17	
Para	May 30-July 23	49	33	
Costa Rica:				
Limon	July 9-14	1	1	
San Jose	May 28-July 9	3	2	Fatal case May 28 from Barranquilla; case June 29 from Siquires; fatal case July 9 from Tivives.
Siquires	July 31	1	1	
Ecuador:				
Guayaquil	May 16-July 15	45	21	
Gold Coast:				
Sekondi	May 1-27	8	8	
Sierra Leone:				
Freetown	Aug. 1			Present.
Sherboro	May 1-June 8	4	4	
	May 20			Do.
Venezuela:				
La Guaira	June 16-30		1	

PLAGUE.

Argentina:				
Rosario	Feb. 1-28	1	1	
Brazil:				
Bahia	Apr. 30-July 15	5	5	
Pernambuco	Apr. 1-15	1	1	
Rio de Janeiro	June 5	1		
Chile:				
Iquique	May 8-July 2	31	11	
Mejillones	Apr. 27			Present.
Pisagua	Apr. 1-May 31	14	4	
Taltal	Apr. 1-27	12		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from June 25 to August 26, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	July 3-16		4	May 8-June 11, 8 to 12 deaths daily.
Kulangsai, interna- tional city.	June 5-11		1	
Chao Yang district	May 5-19		3,000	Mainly at Ho Peng. Present also at Chelin, Feng-chow-so Taipushien, and Tsai-tang-shi Epidemic.
Chang-pu district	June 11			Do.
Ching-chew district	June 11			
Hankow	May 15-28	5	3	
Hongkong	May 8-July 9	9	9	
Swatow	June 1-July 11			Present in vicinity.
Ecuador:				
Guayaquil	May 16-July 15	12	3	
Egypt:				
Alexandria	May 24-July 8	11	6	
Ishmalia	June 19	1	1	
Port Said	June 14	2		
Provinces:				
Assiout	May 26-June 16	11	7	
Assouan	Apr. 30-June 8	2	1	
Beni Souef	May 27-June 29	8	5	
Galloobeeh	May 21-July 3	6		
Garbieh	May 14-July 4	21	8	
Fayoum	May 28-July 11	20	14	
Kena	May 27-June 18	24	22	
Menouf	May 24-June 13	83	13	
Minieh	May 31-July 2	32	7	
Hawaii:				
Honolulu	July 5-12	2	2	
India:				
Bombay	May 18-July 19		663	
Calcutta	May 1-July 2		422	
Kurrachee	May 15-July 16	253	244	
Madras	June 25-July 1		1	
Rangoon	May 8-July 9		269	
Bombay Presidency and Sind.	May 1-July 16	2,831	2,459	
Madras Presidency	May 1-July 16	275	203	
Bengal	May 1-July 16	1,220	1,104	
United provinces	May 1-July 16	6,111	5,609	
Punjab	May 1-July 16	43,740	38,133	
Burma	May 1-July 16	1,359	1,285	
Eastern Bengal and Assam	June 12-July 9	48	45	
Central provinces, including Berar.	May 1-July 16	196	129	
Mysore State	May 1-July 16	283	202	
Hyderabad State	May 1-July 16	101	76	
Central India	May 1-July 16	28	22	
Rajputana and Ajmer- Merwara	May 1-July 16	7,881	6,991	
Kashmir	May 1-June 11	58	49	
North West Province	June 12-18	3	3	
Grand total		64,134	56,310	
Japan:				
Formosa	May 8-June 18	16	12	
Osaka	May 1-June 25	9	9	
Malta:				
Valletta	July 16	1		In quarantine station on Comino Island, from s. s. North Wales.
Mauritius	Apr. 1-June 2	10	7	
New Zealand:				
Auckland	May 23	4		
Persia:				
Bouchir	Apr. 29-June 25	51	40	
Peru:				
Arequipa Department	Mar. 1-31	16	8	
Mollendo				May 16-June 19, 1 case, 1 death.
Callao Department	Mar. 1-31	2		
Callao	May 12-19	2		Case May 12 from s. s. Victoria; case May 19 from s. s. Nicarie.
Lambayeque Department	Mar. 1-31	25	10	
Libertad Department	Mar. 1-31	32	20	
Lima Department	Mar. 1-31	15	9	
Piura Department	Mar. 1-31	6	3	

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from June 25 to August 26, 1910.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Rhodes:				
Apakia	May 22-28			Present.
Russia:				
Odessa	July 23-Aug. 7	6	3	
St. Petersburg	May 6-28	3	3	
Siam:				
Bangkok	Apr. 25-June 18	7	7	
Straits Settlements:				
Singapore	May 8-28	3	3	
Trinidad:				
Port of Spain	May 15-July 14	2	2	
Tunis:				
Tunis	June 30	5	3	
Turkey in Asia:				
Basma	June 12-18	1	1	
Lobeia	May 1-24	25	27	And vicinity.
Venezuela:				
Caracas	July 30	1	1	

SMALLPOX.

Abyssinia:				
Adis Ababa	May 16-July 16			Present.
Argentina:				
Buenos Aires	Feb. 1-Apr. 30		224	
Rosario	Feb. 1-June 30	4	4	Report for February received out of date.
Algeria:				
Bona	May 1-31	1	1	
Australia:				
Victoria, general	Apr. 3-19	1	1	
Austria:				
Bukovina	July 10-16	1		
Galicia	May 29-July 23	5		
Barbados:				
Aug. 16	Aug. 16	1		From steamship Byron.
Brazil:				
Bahia	Apr. 30-June 24	187	141	
Para	May 29-July 23	33	13	
Pernambuco	Mar. 16-May 15		203	
Rio de Janeiro	Apr. 18-24	1		
Santos	May 22-June 18		8	
Sao Paulo	June 12-18		2	
Canada:				
British Columbia—				
Fernie	June 12-25	4		
Vancouver	May 1-31	2		
Manitoba—				
Winnipeg	June 19-25	1		
Nova Scotia—				
Halifax	June 14-Aug. 13	11		
Pictou	June 12-July 23	9	1	
Sydney	July 3-16	20		
Ontario—				
Toronto	June 5-Aug. 6	11		
Ceylon:				
Colombo	June 26-July 2	1		
Chile:				
Antofagasta	July 3-9	4		
Chilean	May 14			Epidemic.
Santiago	June 19-23			Present.
Valparaiso	May 19-June 23	85		Deaths not reported.
Victoria	May 14			Present.
China:				
Canton	May 8-28	9		
Chefoo	June 18-July 2	1	1	June 5—Present. July 2—One case from a vessel.
Hongkong	May 8-July 25	5	2	
Nanking	May 7-July 16			Present.
Shanghai	May 22-July 17	4	37	Cases among foreigners, deaths among natives. June 9—Three cases from U. S. cruiser New Orleans from Nanking.
Swatow	June 6-July 17			Present.
Tsingtau	June 12-18	2		

CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from June 23 to August 26, 1910.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Egypt, general.....	Apr. 30-June 17...	415	85	
Alexandria.....	May 1-June 30....	4	10	
Cairo.....	May 21-July 8....	9	5	
Suez.....	May 21-27.....	1	.....
France:				
Paris.....	May 29-July 30....	25	.....
Germany, general.....	May 29-July 30....	16	.....
Hamburg.....	June 5-11.....	1	.....
Gibraltar.....	June 20-July 17...	4	1	
Great Britain:				
Liverpool.....	July 17-23.....	1	.....
London.....	June 19-July 2....	4	.....
South Shields.....	May 22-June 4....	4	1	
India:				
Bombay.....	May 18-July 19...	.....	106	
Kurrachee.....	May 15-July 16...	12	3	
Madras.....	May 14-July 8....	.....	9	
Rangoon.....	May 8-July 2....	.....	21	
Italy, general.....	May 30-July 31...	64	.....
Genoa.....	June 16-30.....	1	.....
Naples.....	May 30-July 31...	84	17	June 26—One case from s. s. San Giovanni. One case, July 3, on s. s. Pannonia.
Japan:				
Formosa.....	May 22-July 16...	3	4	
Java:				
Batavia.....	May 22-28.....	1	.....
Korea:				
Fusan.....	May 1-7.....	1	.....
Seoul.....	May 26-July 2....	3	4	
Malta.....	May 22-July 23...	17	1	
Mexico:				
Aguascalientes.....	June 5-Aug. 6.....	.....	26	
Guadalajara.....	June 11-July 2....	.....	6	
Mexico.....	May 15-July 23...	.....	19	
San Luis Potosi.....	May 29-July 30...	9	5	
Veracruz.....	July 8-9.....	1	.....
Persia:				
Kerman.....	July 2.....	.....	.....	Present.
Teheran.....	May 1-31.....	.....	28	Among pilgrims.
Portugal:				
Lisbon.....	May 29-July 30...	390	.....
Russia:				
Libau.....	May 30-July 17...	132	8	
Moscow.....	May 22-July 23...	134	53	
Odessa.....	May 22-July 16...	49	12	
Riga.....	May 29-July 30...	255	.....	Apr. 1-May 31, deaths 35.
St. Petersburg.....	May 8-July 16...	385	121	
Warsaw.....	Mar. 6-May 21....	.....	123	
Siam:				
Bangkok.....	Apr. 25-June 18...	3	3	
Siberia:				
Vladivostok.....	Apr. 22-May 28...	2	.....
Spain:				
Almeria.....	June 1-30.....	.....	1	
Barcelona.....	May 31-Aug. 1....	.....	9	
Cadiz.....	May 1-31.....	.....	1	
Madrid.....	May 1-31.....	.....	3	
Seville.....	May 1-July 31...	.....	4	
Valencia.....	June 19-July 23...	6	.....
Vigo.....	June 12-July 30...	.....	4	
Straits Settlements:				
Singapore.....	May 8-July 2....	71	22	
Penang.....	May 29-June 4....	1	.....
Switzerland:				
Thurgau, Canton.....	July 10-16.....	1	.....
Zurich, Canton.....	June 19-July 16...	7	.....
Tripoli:				
Tripoli.....	June 12-18.....	1	.....
Turkey in Asia:				
Basra.....	June 5-11.....	.....	.....	Present.
Uruguay:				
Montevideo.....	Apr. 1-May 31....	438	168	
San Jose.....	July 7.....	.....	.....	Do.
Zanzibar:				
Zanzibar.....	June 1-July 14....	.....	15	

MORTALITY.

WEEKLY MORTALITY TABLE, FOREIGN AND INSULAR CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—										
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Aberdeen	July 30	185,703	37									1		
Do	Aug. 6		39										1	
Amsterdam	do	570,669	105	13						1			4	
Do	Aug. 13		110	17									1	
Antwerp	July 30	326,351	65	5						1			2	
Do	Aug. 6		75	8						1		2		
Athens	July 30	250,010	88	19						5				
Bahia	July 8	286,000	104	18				10						
Do	July 15		80	8	1			14						
Barcelona	Aug. 8	591,272	280	16				1		4	1	2	3	
Barmen	Aug. 6	164,600	22	4				1		1			1	
Barranquilla	do	40,000	20	1						2				
Batavia	July 16	217,630				30								
Belfast	July 30	391,167	135	22					1	2		1	8	
Do	Aug. 6		115	20							1		7	
Do	Aug. 13		102	20									4	
Birmingham	Aug. 6	570,113	110								3	2	2	
Do	Aug. 13		107	8							1	2	1	
Bombay	July 26	977,822	802	63	56	3		2		7			3	
Bradford	July 30	295,865	56	4										
Bremen	Aug. 6	235,648	55	9									4	
Bristol	Aug. 13	382,550	65	9										
Brussels	Aug. 6	720,030	169	15						1		1		
Budapest	July 30	950,610								12	5	2	1	
Cairo	July 29	677,663	784	21					13	5		13	15	
Do	Aug. 5		634	20					6	5	1	7	11	
Calcutta	July 9	847,796	342	28	22	11								
Catania	Aug. 6	210,000	47	2										
Chihuahua	Aug. 14	37,000	59	4						1				
Cologne	July 30	512,881	150	19							1	2	5	
Do	Aug. 6		141	16							1		3	
Colombo	July 9	187,554	124	12						7				
Do	July 16		116	10						6				
Constantinople	Aug. 7	1,000,000	233	24						9	1		2	
Copenhagen	July 23	455,000	115	20						1				
Do	July 30		100	14							2			
Dalny	July 23	42,344	24	2						3				
Dublin	July 30	402,928	127	26						2	3	5		
Do	Aug. 6		145	34							1	1		3
Dundee	Aug. 13	170,206	45	4						1				
Edinburgh	Aug. 6	360,276	78	8								1	1	
Erfurt	do	108,768	30	2						1				
Frankfort on the Main.	do	409,800	82										1	
Ghent	July 30	165,475	48					1						1
Glasgow	Aug. 12	872,021	204						1		1	2	2	1
Do	Aug. 19		221							1	2	2	2	6
Guadalajara	Aug. 14	125,000	103							1				
Kingston	Aug. 6	48,504								1				
Hamburg	do	895,804	249	26								14	1	2
Hull	do	280,006	63							3				
Do	Aug. 13		62									2	3	
Kurrachee	July 23	130,000	75		14									
Konigsberg	Aug. 6	244,200	110	12						1	2		1	
Leeds	do	490,985	118	7									3	3
Do	Aug. 13		129	10									10	5
Leipzig	Aug. 6	590,329	156	14								5		1
Libau	Aug. 7	90,000								1				
Liverpool	Aug. 6	767,606	201	16						1	2	1	9	12
Do	Aug. 13		191	8								1	6	6
London	July 30	7,537,196	1,305								2	9	28	22
Do	Aug. 6		1,357							3	6	14	31	24
Do	Aug. 13		1,402								4	4	6	30
Londonderry	Aug. 6	43,477	16	8									1	
Lyons	do	500,000	139	27										
Manaos	July 30	50,000	40	2			3						1	
Manchester	do	631,533	207							1	1	1	5	12
Do	Aug. 13		199	19							2	4	9	12
Do	Aug. 6		167	12						1			4	14
Mannheim	July 30	195,781	42	6								1		
Naracaibo	June 10	50,000	17							2		1		
Do	June 17		11							1				

MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—									
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.
Maracaibo	June 24		23	....					1	1			
Do	July 1		18	....					2				
Do	July 22		17	....						1			
Do	July 29		15	....					1				
Monterey	Aug. 14	100,000	57	....						2			1
Montreal	Aug. 20	450,000	192	18						4	2		2
Nantes	July 31	161,908	64	22								1	
Do	Aug. 7		65	14					1				
Newcastle-on-Tyne	Aug. 6	285,891	75	8								1	
Do	Aug. 13		89	6					1				2
Nottingham	July 30	260,000	67	....								1	5
Munich	Aug. 6	576,000	167	31							1		3
Odessa	July 30	546,000	254	22	2	49			3	6	4	4	1
Paris	Aug. 6	185,000	80	8			8						
Paris	do	2,776,394	720	156					4	3	9	9	6
Penang	July 16	103,582	75	15					1				
Port Said	July 29	53,711	38	2					1				
Do	Aug. 5		37	1	2				1		1		
Port of Spain	July 30	60,000	52	9									1
Rangoon	July 16	252,155	173	3	40			2				1	
Rotterdam	Aug. 13	422,937	71	....					1				
St. Petersburg	July 23	1,678,000	850	97		68		9	1	24	16	13	29
Trieste	Aug. 6	221,124	99	....					1			2	1
Winnipeg	Aug. 13	135,000	74	1							1	1	
Do	Aug. 20		34	1					1			1	
Yarmouth	do	6,700	....	1								1	

MORTALITY—FOREIGN AND INSULAR COUNTRIES AND CITIES
(untabulated).

AUSTRALIA—New Castle.—Month of May, 1910. Population, 53,450. Total number of deaths from all causes 45, including diphtheria 2, tuberculosis 2.

BERMUDA—Hamilton.—Three weeks ended July 18, 1910. Population, 20,026. Total number of deaths from all causes 15. No deaths from contagious diseases.

CANADA—Vancouver.—Month of May, 1910. Population, 78,900. Total number of deaths from all causes 52, including typhoid fever 3, measles 1, diphtheria 1, tuberculosis 6.

Month of June, 1910. Total number of deaths from all causes 66, including typhoid fever 2, scarlet fever 1, tuberculosis 6.

Yukon Territory—Dawson.—Month of June, 1910. Population, 9,142. Total number of deaths from all causes 4. No contagious diseases.

CURAÇAO.—Two weeks ended July 1, 1910. Population, 31,400. Total number of deaths from all causes 7. No contagious diseases.

FORMOSA—Tamsui.—Two weeks ended June 18, 1910. Population, 3,132,335. Total number of deaths from all causes not reported. Typhoid fever 5, plague 5.

FRANCE—*Marseille*.—Month of June, 1910. Population, 517,498. Total number of deaths from all causes 750, including typhoid fever 15, measles 8, scarlet fever 2, diphtheria 1, tuberculosis 110.

GREAT BRITAIN.—Week ended July 9, 1910.

England and Wales.—The deaths registered in 77 great towns correspond to an annual rate of 11 per 1,000 of the aggregate population, which is estimated at 16,940,895.

Ireland.—The deaths registered in 21 principal town districts correspond to an annual rate of 17 per 1,000 of the aggregate population, which is estimated at 1,151,790. The lowest rate was recorded at Lurgan, viz, 8.9, and the highest at Queenstown, viz, 26.4 per 1,000.

Scotland.—The deaths registered in 8 principal towns correspond to an annual rate of 12.1 per 1,000 of the aggregate population, which is estimated at 1,865,571. The lowest rate was recorded at Paisley, viz, 6.1, and the highest at Perth, viz, 18.2. The total number of deaths from all causes was 439, including enteric fever 2, measles 8, scarlet fever 4, diphtheria 9.

GREECE—*Patras*.—Period from July 1 to 15, 1910. Population, 40,000. Total number of deaths from all causes 20, including tuberculosis 7.

INDIA—*Rangoon*.—Month of May, 1910. Population, 295,803. Total number of deaths from all causes 783, including typhoid fever 2, smallpox 35, tuberculosis 27.

ITALY—*Rome*.—Three weeks ended January 22, 1910. Population, 584,308. Total number of deaths from all causes 734, including typhoid fever 10, measles 5, diphtheria 13, tuberculosis 56.

RUSSIA—*Riga*.—Month of April, 1910. Population, 355,000. Total number of deaths from all causes 677, including typhus fever 32, typhoid fever 2, smallpox 9, measles 4, scarlet fever 46, diphtheria 16.

SPAIN—*Cadiz*.—Month of June, 1910. Population, 69,382. Total number of deaths from all causes 168, including typhoid fever 4, diphtheria 1, tuberculosis 21.

TASMANIA—*Hobart*.—Month of May, 1910. Population, 185,387. Total number of deaths from all causes 161, including typhoid fever 13, diphtheria 1, tuberculosis 11.

TRIPOLI—*Tripoli*.—Period from March 26 to June 11, 1910. Population, 42,000. Total number of deaths from all causes not reported. Thirty deaths from typhoid fever and 12 from tuberculosis reported.

URUGUAY—*Montevideo*.—Month of April, 1910. Population, 325,465. Total number of deaths from all causes 472, including typhoid fever 10, smallpox 64, diphtheria 1, tuberculosis 73.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon-General,

United States Public Health and Marine-Hospital Service.